

IOWA

Science and Engineering Profile

	IA	U.S.	Rank		IA	U.S.	Rank
Doctoral scientists, 1995	4,071	453,928	30	Total R&D performance, 1995 (millions)	\$1,391	\$177,210	27
Doctoral engineers, 1995	604	86,738	33	Industry R&D, 1995 (millions)	\$998	\$130,332	26
S&E doctorates awarded, 1996	457	27,230	20	Academic R&D, 1995 (millions)	\$323	\$21,606	24
of which, in life sciences	34%	25%		of which, in life sciences	60%	55%	
in engineering	26%	23%		in engineering	21%	16%	
in physical sciences	14%	14%		in physical sciences	8%	10%	
S&E postdoctorates, 1995	551	35,379	20	Higher education current-fund expenditures, 1995 (millions)	\$2,753	\$182,602	22
in doctorate-granting institutions							
S&E graduate students, 1995	5,452	436,328	27	Number of SBIR awards, 1990-1996	40	26,399	41
in doctorate-granting institutions				Patents issued to state residents, 1996	432	61,099	29
Population, 1996 (000s)	2,852	269,067	31	Gross state product, 1994 (billions)	\$68.3	\$6,876.0	29
Civilian labor force, 1996 (000s)	1,599	135,528	29	of which, agriculture	7%	2%	
Personal income per capita, 1996	\$22,560	\$24,231	29	manufacturing, mining, construction	29%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$13,408	\$1,368,858	32	wholesale and retail trade	16%	16%	
R&D obligations, 1995 (millions)	\$214	\$67,080	33	finance, insurance, real estate services	14%	19%	
				government	15%	20%	
					12%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Iowa by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	214,316	37,257	29,815	12,623	130,285	1,054	3,282	33
Department of Agriculture	39,159	25,737	0	0	13,422	0	0	9
Department of Commerce	1,343	0	0	17	1,326	0	0	36
Department of Defense	21,335	1,079	30	10,796	9,421	9	0	37
Department of Energy	28,913	0	25,930	0	2,983	0	0	23
Dept. of Health & Human Services	82,815	0	0	100	80,327	995	1,393	28
Department of the Interior	2,526	2,438	0	0	88	0	0	42
Department of Transportation	15,988	8,003	3,855	62	2,755	0	1,313	10
Environmental Protection Agency	2,766	0	0	0	2,140	50	576	26
Nat'l Aeronautics & Space Admin.	7,197	0	0	1,548	5,649	0	0	34
National Science Foundation	12,274	0	0	100	12,174	0	0	33
State rank	33	35	14	41	27	46	24	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable